

HUNTERS POINT
SSIC 5000-33B

MONTHLY LANDFILL GAS MONITORING LETTER REPORT FOR
JULY 2020, POST-REMOVAL ACTION
PARCEL E-2, INDUSTRIAL LANDFILL
HUNTERS POINT SHIPYARD SAN FRANCISCO COUNTY, CALIFORNIA
07/29/2020
INYA INCORPORATED

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and will be Released or Withheld at a Later Date**

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29 July 2020

Ms. Leslie A. Howard, Remedial Project Manager, HPNS
Base Realignment and Closure Program Management Office, West
33000 Nixie Way, Bldg. 50
San Diego, California 92147

Subject: Monthly Landfill Gas Monitoring Letter Report for July 2020
Post-Removal Action, Parcel E-2 Industrial Landfill
Hunters Point Naval Shipyard, San Francisco, California

Dear Ms. Howard,

Monthly landfill gas monitoring for Parcel E-2 was performed on Friday, July 17, 2020. Monitoring was performed using an Eagle-2 landfill gas meter and a photo-ionization detector at gas monitoring probe locations GMP08A, GMP23 and GMP24. Sample point GMP08A is located on the landfill side of the perimeter fence line (northeast) while GMP23 and GMP24 are located within the UCSF compound as shown on Figure 1.

Results for this routine monitoring event are provided in Table 1 and are summarized below.

Methane

- Methane was detected by the field monitoring equipment at very low levels in the samples extracted from GMP08A (0.1%) and GMP23 (0.2%), and was not detected in the sample from GMP24.

Per the project's Final Interim Landfill Gas Monitoring and Control Plan¹, the methane action levels are as follows:

- The HPNS action level for GMPs along the fence line, in the UCSF compound, and along Crisp Ave. is 2.5% by volume in air.
- The regulatory action level for the concentration of methane gas migrating from the landfill must not exceed 5% by volume in air at the property boundary or an alternative boundary approved in accordance with 27 CCR §20925.

Since all methane readings were 0.2% or less, they are well below the action levels for this monitoring period, and no further action is required.

¹ Tetra Tech, 2004. Final Interim Landfill Gas Monitoring and Control Plan, Parcel E, Industrial Landfill, Hunters Point Shipyard, San Francisco, California. August 13.



Non-Methane Organic Compounds (NMOCs)

- NMOCs were detected by field monitoring equipment in the sample collected from GMP08A (0.4 ppmv), but were not detected in the samples from GMP23 or GMP24.

Per the project's Final Interim Landfill Gas Monitoring and Control Plan (Tetra Tech, 2004), the NMOc action level at these locations is as follows:

- 500 parts per million volume (ppmv) in GMPs

Since all NMOc readings were 0.4 ppmv or below during this monitoring event, all of which are well below the action level, no further action is required.

Monitoring-Related Notes

- The Eagle-2 landfill gas meter was checked for calibration before and after this monitoring event

The above monitoring information also will be included in the Quarterly Monitoring Report for July, August, and September 2020 to be prepared in October 2020.

The field data (Table 1) and a map showing monitoring point locations for this project (Figure 1) are included in this report. Please let me know if you have comments or questions about this monitoring event or the data included herein. You can reach me at (949) 887-2615 or by e-mail at derrick.coleman@inyainc.com.

Sincerely,

A handwritten signature in black ink, appearing to read "Derrick Coleman".

Derrick Coleman, Ph.D.
INYA Inc., Senior Project Manager

Enclosures: Figure 1. Site Map and Landfill Gas Monitoring Locations
 Table 1. Landfill Gas Monitoring Log



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FURTHER EVALUATION FOR FREEDOM OF INFORMATION
ACT EXEMPTIONS AND WILL BE RELEASED OR WITHHELD
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Table 1. Landfill Gas Monitoring Log

Weather: Clear, warm

Name: Chris McCormack

Sampling Location						Eagle-2				PID			
Location ID	Description					Methane (%)	CO ₂ (%)	O ₂ (%)	Methane (as percentage of LEL)	NMOC	Bckgrd. NMOCs (ppmv)		
GMP08A	Gas Monitoring Probe	7/17/20	12:33	66	29.98	0.1	0	8.7	1.2%	0.4	0.0	-0.02	
GMP23	Gas Monitoring Probe	7/17/20	13:18	66	29.98	0.2	0	5.0	3.0%	0.0	0.0	0.00	
GMP24	Gas Monitoring Probe	7/17/20	12:57	66	29.98	0.0	26	0.1	0.0%	0.0	0.0	-0.09	

Note: All sample locations were purged for at least 1 minute at 50 SCFH before collecting data.

Legend:

%:	percent by volume in air	NA:	not applicable
°F:	degrees Fahrenheit	NMOC:	non-methane organic compound
CO ₂ :	carbon dioxide	O ₂ :	oxygen
Eagle-2	RKI Instruments Eagle-2, landfill gas meter	PID:	photoionization detector
in. Hg:	inches of mercury	ppmv:	parts per million by volume
in. H ₂ O:	inches of water	VOC:	volatile organic compound
LEL:	lower explosive limit		